

a) Overlap 11

5' t a t t c t t t g c t c a a a a t t t g a t c a a a t t t g a g c a a a g a a t a 3' *
 *10 *20 *30 *40
 -ttg tcdaaatttga Caa Fis 18.1 bits

-ttg tcdaaatttga Caa Fis 18.1 bits

b) Overlap 7

5' a g g c t t t t g c t c a a a a t t t a a a c t t t g a g c a a a g c c t 3' *
 *10 *20 *30
 -ttg tcdaaatttga Caa Fis 12.7 bits

-ttg tcdaaatttga Caa Fis 12.7 bits

c) Separated 23

5' g g a a t t c t t t g c t c a a a a t t t g a t c a g g a t c c c t g a t c a a a t t t g a g c a a a g a a t t c c c 3' *
 [-----] EcoRI [-----] BamHI [-----] EcoRI
 *10 *20 *30 *40 *50

-ttg tcdaaatttga Caa Fis 15.0 bits

-ttg tcdaaatttga Caa Fis 15.0 bits

FIG. 8